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Replacement Abstract  
Yanagihara Case 49A

TECH CENTER 1600/2900

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HIGH PURITY POLYSACCHARIDE CONTAINING  
A HYDROPHOBIC GROUP  
AND PROCESS FOR PRODUCING IT

ABSTRACT

1. A high purity polysaccharide containing hydrophobic group is produced by a process, comprising involving
  - a first process step of producing an isocyanate group-containing hydrophobic compound, wherein one mole of a hydroxyl group-containing hydrocarbon having 12-50 carbon atoms or of a sterol is reacted with a diisocyanate represented by  $OCN-R^1-NCO$  in which  $R^1$  is a hydrocarbyl of 1-50 carbon atoms,
  - a second process step of producing the polysaccharide containing hydrophobic group composed of the hydrocarbon group of 12-50 carbon atoms or of the steryl group, wherein the isocyanate group-containing hydrophobic compound obtained in the first process step is reacted with one or more polysaccharides, and
  - a purification step in which the reaction product in the second process step is purified using a solvent based on a ketone.